6th Grade Math Curriculum Map

	Unit Title/ Due Dates / Essential Questions	Core Content & CC Standards	Resources/Materials/ Assessments
s	Unit 1: Expressions and Equations (Chapter 1-3) Essential Questions: What are expressions and how can they be written and evaluated?; What arithmetic relationships are always true?; What procedures can be used to solve equations and inequalities?; How can equations be written? What patterns can be found in tables of values?; How can expressions and equations be used to solve real-world problems? Chapter tests at the end of each chapter	Core Content: Variables and Expressions; Equations and Inequalities; Patterns and Equations CC Standards: 6.EE.A.- Apply and extend previous understandings of arithmetic to algebraic expressions 6.EE.B - Reason about and solve one-variable equations and inequalities 6.EE.C - Represent and analyze quantitative relationships between dependent and independent variables	Resources: pearsonrealize.com, prodigy.com, IXL.com, mathaids.com, mathgames.com, textbook Assessment: performance tasks, quizzes, homework, classwork, chapter tests
s	Unit 2: The Number System (Chapter 4 & 5) Essential Question: How are adding, subtracting, and multiplying decimals the same as and different than whole numbers; How are quotients involving whole numbers and decimals estimated and found? How can estimation of whole numbers and decimals help solve real-world situations?	Core Content: Decimal operations CC Standards: 6.NS.A - Apply and extend previous understandings of multiplication and	Resources: pearsonrealize.com, prodigy.com, IXL.com, mathaids.com, mathgames.com, textbook Assessment: performance tasks, quizzes, homework, classwork, chapter tests

	Chapter tests at the end of each chapter	division to divide fractions by fractions 6.NS.B - Compute fluently with multi-digit numbers and find common factors and multiples. 6.EE.A - Apply and extend previous understandings of arithmetic to algebraic expressions 6.EE.B - Reason about and solve one-variable equations and inequalities	
s	Unit 3: (Chapter 7 & 8) Essential Questions: What are integers?; How can you compare rational numbers? How can integers and rational numbers help us solve real-world problems?; How can integers and rational numbers be graphed on a coordinate plane?; How are equations that can relate real-world quantities be graphed? Chapter tests at the end of each chapter	Core Content: rational numbers and coordinate geometry CC Standards: 6.NS.C - Apply and extend previous understandings of numbers to the system of rational numbers 6.EE.C - Represent and analyze quantitative relationships between dependent and independent variables 6.G.A. - Solve real-world and mathematical	Resources: pearsonrealize.com, prodigy.com, IXL.com, mathaids.com, mathgames.com, textbook Assessment: performance tasks, quizzes, homework, classwork, chapter tests

		problems involving area, surface area, and volume	
s	Unit 4: Ratios and Proportional relationships (chapter 9-11) Essential Question: What are ratios and how are they used in solving real-life situations?; What are ratios and rates?; How can rates and ratios be used to solve problems?; How can customary and metric measurements be converted?; How can measurement help us in real-world situations; what is the meaning of a percent?; how can percent be estimated and found? How can we use percent in everyday life? Chapter tests at the end of each chapter	Core Content: Ratios, Rates, and Percent CC Standards: 6.RP.A. -Understand ratio concepts and use ratio reasoning to solve problems 6.EE.C- Represent and analyze quantitative relationships between dependent and independent variables	Resources: pearsonrealize.com, prodigy.com, IXL.com, mathaids.com, mathgames.com, textbook Assessment: performance tasks, quizzes, homework, classwork, chapter tests
s	Unit 5: Geometry (chapter 12 and 13) Essential Question: How can the area of certain shapes be found?; what is the meaning of surface area and how can it be found?; what is the meaning and how can it be found? How can surface area and volume help to solve real-world problems? Chapter tests at the end of each chapter	Core Content: Area, Surface area, and Volume CC Standards: 6.G.A- Solve real-world and mathematical problems involving area, surface area, and volume	Resources: pearsonrealize.com, prodigy.com, IXL.com, mathaids.com, mathgames.com, textbook Assessment: performance tasks, quizzes, homework, classwork, chapter tests
s	Unit 6: Statistics and Probability (chapter 14) Essential Question: How can graphs be used to represent data and answer questions?; How can graphs help represent real-world problems?	Core Content: Statistics CC Standards: 6.SP.A - Develop understanding of statistical variability	Resources: pearsonrealize.com, prodigy.com, IXL.com, mathaids.com, mathgames.com, textbook

	Chapter tests at the end of each chapter	6.SP.B - Summarize and describe distributions	Assessment: performance tasks, quizzes, homework, classwork, chapter tests